

	Document ID	Current OR	Current XRef	2	3	4	5
13	US 5408562 A	385/112	385/110; 385/113	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	US 5179611 A	385/110	385/109; 385/112; 385/113; 523/173	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	US 5013126 A	385/103	523/173	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	US 4389088 A	385/111	385/105; 385/107	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17	US 5469523 A	385/101	385/109	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18	US 4329018 A	385/106	385/104; 385/114	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19	US 200201365 13 A1	385/113	385/110	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20	US 6591046 B2	385/103	385/100; 385/102; 385/104; 385/106; 385/107	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21	US 5848212 A	385/111	385/110; 385/112; 385/113; 385/114	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22	US 4038489 A	174/70R	174/10; 174/115; 385/109; 385/111; 385/113	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23	US 4801192 A	385/101	385/103; 385/104	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24	US 6564831 B1	138/115	138/118; 138/DIG.11	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25	US 6102077 A	138/115	138/148	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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1	US 6463960 B1	138/98	138/115; 174/47	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	US 6311730 B1	138/98	138/114; 138/115; 138/97; 156/287; 174/47; 264/269; 405/150.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	US 5305798 A	138/98	138/104; 138/97; 264/269; 29/402.09; 405/184.1; 405/184.2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	US 4368348 A	174/47	138/111; 174/97	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	US 4064355 A	174/47	138/115; 138/122; 264/171.16; 264/172.1; 428/35.8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	US 4804020 A	138/111	138/112; 138/114; 385/112; 385/136	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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26	US 6046404 A	174/47	138/111; 138/112; 174/27; 174/28	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27	US 5677974 A	385/101	385/109; 385/113; 385/114	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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7	US 4015366 A	47/1.43	137/236.1; 137/386; 137/79; 138/111; 193/25E; 198/570; 209/173; 239/210; 239/69; 239/727; 239/745; 348/143; 382/110; 47/2; 47/DIG.6; 56/237; 56/328.1; 700/14; 700/283; 700/30; 700/67; 700/90; 702/2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	US 200100287 73 A1	385/109	385/110; 385/114	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	US 6519396 B2	385/101	174/70R; 385/147	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	US 6496628 B1	385/110	385/103; 385/114	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	US 6195486 B1	385/100	385/103; 385/107	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	US 5689601 A	385/100	385/122; 385/128; 524/494; 65/443	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

L Number	Hits	Search Text	DB	Time stamp
1	1905	((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.	USPAT; US-PGPUB	2003/10/29 14:30
2	15667	transmission near3 cable	USPAT; US-PGPUB	2003/10/29 14:30
3	114293	optical and fiber	USPAT; US-PGPUB	2003/10/29 14:30
4	127094	(optical and fiber) or "fiber optic"	USPAT; US-PGPUB	2003/10/29 14:31
5	661846	tube	USPAT; US-PGPUB	2003/10/29 14:31
7	42	((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and (optical and fiber)	USPAT; US-PGPUB	2003/10/29 14:31
9	583	((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and tube	USPAT; US-PGPUB	2003/10/29 14:31
10	9	((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and (transmission near3 cable) and	USPAT; US-PGPUB	2003/10/29 14:32
11	6	((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and ((optical and fiber) or "fiber optic"))	USPAT; US-PGPUB	2003/10/29 14:39
12	5	((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and (transmission near3 cable) and	USPAT	2003/10/29 14:32
13	19	((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and ((optical and fiber) or "fiber optic")) and	USPAT	2003/10/29 14:35
14	1428	((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and tube	USPAT; US-PGPUB	2003/10/29 14:39
15	1186	("4064355" "4368348" "5172730" "5305798" "6311730").PN.	USPAT; US-PGPUB	2003/10/29 14:40
16	177	("3039698" "3200539" "3200575" "3235009" "3269099" "3330068" "3578245" "3584442" "3590335" "3596455" "3613308" "3626286" "3635004" "3721254" "3728254" "3777976" "3785564" "3844305" "3905153").PN.	USPAT; US-PGPUB	2003/10/29 14:40
17	1049	385/134	USPAT; US-PGPUB	2003/10/29 14:40
18	457	((385/134) or (385/101) or (385/106) or (385/110)).CCLS.	USPAT; US-PGPUB	2003/10/29 14:40
19	405	(transmission near3 cable) and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)	USPAT; US-PGPUB	2003/10/29 14:40
20	75	((optical and fiber) or "fiber optic") and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)	USPAT; US-PGPUB	2003/10/29 14:40
21	6	tube and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)	USPAT; US-PGPUB	2003/10/29 14:40
22	4	((optical and fiber) or "fiber optic") and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.) and (tube and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)	USPAT; US-PGPUB	2003/10/29 14:47
23	17	((transmission near3 cable) and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.) and (((optical and fiber) or "fiber optic") and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.) and (tube and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)))	USPAT	2003/10/29 14:42
24	6	("4557560" "4673247" "4776665" "5360497" "5563976" "5932149").PN.	USPAT	2003/10/29 14:42
	4	("4770489" "5098177" "5621842" "6195486").PN.	USPAT	2003/10/29 14:42
	17	("3785048" "4151365" "4308662" "4322574" "4449014" "4535098" "4767894" "4857242" "5188883" "5388175" "5408562" "5410901" "5684904" "5689601" "5913004" "5930431" "5999676").PN.	USPAT	2003/10/29 14:43
	6	("4389088" "4401366" "4671611" "5013126" "5179611" "5222177").PN.	USPAT	2003/10/29 14:43

25	330	(((((optical and fiber) or "fiber optic") and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and (tube and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.))) not (((transmission near3 cable) and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and (((optical and fiber) or "fiber optic") and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and (tube and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.))))	USPAT; US-PGPUB	2003/10/29 14:58
26	19	("1157208" "3660590" "3748371" "3812282" "4038489" "4237337" "4365865" "4552432" "4654520" "4695127" "4695128" "4731505" "4787705" "4805981" "4812014" "4844575" "4859024" "4890898" "4952020").PN.	USPAT	2003/10/29 14:56
27	405	(((((optical and fiber) or "fiber optic") and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and (tube and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.))) or (((transmission near3 cable) and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and (((optical and fiber) or "fiber optic") and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and (tube and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.))))	USPAT; US-PGPUB	2003/10/29 14:59
28	644	(((((optical and fiber) or "fiber optic") and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) not (((optical and fiber) or "fiber optic") and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and (tube and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.))) or (((transmission near3 cable) and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and (((optical and fiber) or "fiber optic") and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and (tube and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.))))	USPAT; US-PGPUB	2003/10/29 14:59
6	19	((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and (transmission near3 cable)	USPAT; US-PGPUB	2003/10/29 15:01
8	69	((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and ((optical and fiber) or "fiber optic")	USPAT; US-PGPUB	2003/10/29 15:06
29	14	("0417992" "2161666" "3110754" "3889715" "3941157" "4273065" "4343844" "4474426" "4496823" "4729409" "5765598" "5924456" "6032699" "6102077").PN.	USPAT	2003/10/29 15:03
30	8	("3526086" "3872893" "4098333" "4162865" "4332509" "4974408" "5202076" "5362921").PN.	USPAT	2003/10/29 15:03
31	79	(((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and (transmission near3 cable)) or (((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and ((optical and fiber) or "fiber optic"))	USPAT; US-PGPUB	2003/10/29 15:06
32	89	9not ((((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and (transmission near3 cable)) or (((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and ((optical and fiber) or "fiber optic"))	USPAT; US-PGPUB	2003/10/29 15:06
33	534	(((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and tube) not ((((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and (transmission near3 cable)) or (((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and ((optical and fiber) or "fiber optic"))	USPAT; US-PGPUB	2003/10/29 15:16
34	613	(((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and tube) or ((((((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and (transmission near3 cable)) or (((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and ((optical and fiber) or "fiber optic"))	USPAT; US-PGPUB	2003/10/29 15:17

35	1016	(((optical and fiber) or "fiber optic") and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and (tube and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) or ((transmission near3 cable) and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and (((optical and fiber) or "fiber optic") and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and (tube and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) or (((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and tube) or (((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and (transmission near3 cable)) or (((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and ((optical and fiber) or "fiber optic"))))	USPAT; US-PGPUB	2003/10/29 15:17
36	3085	(((385/134) or (385/101) or (385/106) or (385/110)).CCLS.) or (((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.)	USPAT; US-PGPUB	2003/10/29 15:17
37	2069	(((385/134) or (385/101) or (385/106) or (385/110)).CCLS.) or (((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) not (((optical and fiber) or "fiber optic") and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and (tube and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) or ((transmission near3 cable) and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and (((optical and fiber) or "fiber optic") and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) and (tube and (((385/134) or (385/101) or (385/106) or (385/110)).CCLS.)) or (((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and tube) or (((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and (transmission near3 cable)) or (((138/111) or (138/112) or (138/114) or (138/115) or (138/116) or (138/104)).CCLS.) and ((optical and fiber) or "fiber optic"))))	USPAT; US-PGPUB	2003/10/29 15:19
38	6	("3517110" "3526086" "4196307" "4765711" "5362921" "5902958").PN.	USPAT	2003/10/29 15:40